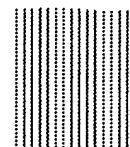


BEST AVAILABLE COPY

**kluwer**

the language of science

Shopping Cart

[About us](#) [Contact](#)[Conference Schedule](#)[Order](#) [Browse by Subject](#)[Customize](#)[Search](#)[Books](#) » [Reactive Oxygen Species in Biological Systems](#)Title [advanced search](#)[search tips](#)[Products & Services](#)[Kluwer online](#)[Journals](#)[Books](#)[Looseleafs](#)[Electronic](#)[Kluwer Alert](#)[Resources](#)[Authors](#)[Bookstore](#)[Libraries](#)[Partners](#)

Reactive Oxygen Species in Biological Systems

[Add to cart](#)

edited by

Carol Colton*Dept. of Physiology and Biophysics, Georgetown University Medical School, Washington D***Daniel Gilbert***BNP, NINDS, NIH, Bethesda, MD, USA*

Reactive oxygen species (ROS) which include free radicals, peroxides, singlet oxygen, ozone, nitrogen monoxide and dioxide free radicals, is an area of intense research. This volume covers (1) the destruction of cellular function by ROS resulting in pathological states; (2) the protection by organism against invading organisms that cause infections; and (3) the role of ROS in normal physiological processes. Designed for beginning graduate students, this book gives a concise overview of the field.

Contents and Contributors

Kluwer Academic/Plenum Publishers

Hardbound, ISBN 0-306-45756-3

January 1999, 722 pp.

EUR 140.50 / USD 165.00 / GBP 97.50

[Home](#) | [About Us](#) | [Contact Us](#) | [Conference Schedule](#) | [Ordering information](#) | [Browse by Subject](#) | [Customer Services](#) | [Search](#) | [Privacy Policy](#)

Copyright © 2001 Kluwer Academic Publishers. All rights reserved.

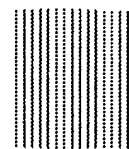
Kluwer Academic Publishers is a Wolters Kluwer company.

BEST AVAILABLE COPY

**kluwer**

the language of science

Shopping Cart

[About us](#) [Contact](#)[Conference Schedule](#)[Order Browse by Subject](#)[Customize](#)[Search](#)[Books](#) » [Reactive Oxygen Species in Biological Systems](#)

Reactive Oxygen Species in Biological Systems

edited by

Carol Colton*Dept. of Physiology and Biophysics, Georgetown University Medical School, Washington D***Daniel Gilbert***BNP, NINDS, NIH, Bethesda, MD, USA*

Products & Services

[Kluwer online](#)[Journals](#)[Books](#)[Looseleaves](#)[Electronic](#)[Kluwer Alert](#)

Resources

[Authors](#)[Bookstore](#)[Libraries](#)[Partners](#)

1. From the Breath of Life to Reactive Oxygen Species; *D. Gilbert*. 2. Chemistry of Reactive Species; *R.E. Huie, P. Neta*. 3. The Steady-State Concentrations of Oxygen Radicals in Mitochondria; *Giulivi, et al.* 4. The Role of Transition Metal Ions in Free Radical-Mediated Damage; *M. Chev* Biochemistry of Redox Signaling in the Activation of Oxidative Stress Genes; *B. González-F Demple*. 6. Regulation of Mammalian Gene Expression by Reactive Oxygen Species; *D. R. Inflammatory Regulation of Manganese Superoxide Dismutase; J.F. Valentine, H.S. Nick. & Protection and Oxygen Radical Signaling; J.M.C. Gutteridge, B. Halliwell*. 9. Nitric Oxide Signaling; *S. Gusman, B. Amoah-Apraku*. 10. The Chemical Biology of Nitric Oxide; *D.A. Wink, et al.* 11. Protectors against Oxidative Stress; *J.B. Mitchell, et al.* 12. Stratospheric Ozone and Its Effects on the Biosphere; *S. Madronich*. 13. Ozone and Nitrogen Dioxide; *D.B. Menzel, D.M. Meacher*. 14. Antioxidants and Nutrition; *C. Rice-Evans, S. Arif*. 15. Xanthine Oxidase in Biology and Medicine; *Parks, et al.* 16. Melatonin: Antioxidative Protection by Electron Donation; *B. Poeggeler*. 17. Endogenous Lipid-Soluble Antioxidant in Animal Tissues; *P. André, et al.* 18. Sources and Effects of Reactive Oxygen Species in Plants; *C.J. Baker, E.W. Orlandi*. 19. The Production and Use of Reactive Oxygen Species by Phagocytes; *B.M. Baboier*. 20. Production and Effects of Reactive Oxygen Species in Spermatozoa; *R.J. Aitken*. 21. Respiratory Burst Oxidase of Fertilization: Peroxidative Mechanism in Urchin Eggs and Human Phagocytes; *J.W. Heinecke*. 22. Brain Chemiluminescence as an Indicator of Oxidative Stress; *A. Boveris, E. Cadenas*. 23. Reactive Oxygen Species and Neuronal Function; *Colton, D.L. Gilbert*. 24. Oxidative Stress and Parkinson's Disease; *G. Cohen*. 25. Alzheimer's Disease and Free Radical Oxidative Stress; *D. A. Butterfield*. 26. Oxidative Pathology in Amyloid Lateral Sclerosis; *R.H. Brown, Jr.* 27. Reactive Oxygen-Mediated Protein Oxidation in Aging; *E.R. Stadtman, B.S. Berlett*. 28. An Overview of Reactive Oxygen Species; *D.L. Gilbert, C.A.*

[Home](#) | [About Us](#) | [Contact Us](#) | [Conference Schedule](#) | [Ordering information](#) | [Browse by Subject](#) | [Customer Services](#) | [Search](#) | [Privacy Policy](#)

Copyright © 2001 Kluwer Academic Publishers. All rights reserved.
Kluwer Academic Publishers is a Wolters Kluwer company.

... AVAILABLE C...

amazon.com



VIEW CART

WISH LIST

YOUR ACCOUNT

HELP

WELCOME

YOUR STORE

BOOKS

ELECTRONICS

DVD

MUSIC

GIFTS

CAMERA & PHOTO

SEE MORE STORES

SEARCH

BROWSE SUBJECTS

BESTSELLERS

MAGAZINES

CORPORATE ACCOUNTS

E-BOOKS & DOCS

NEW & USED TEXTBOOKS

USED BOOKS

Spring into Savings

Free shipping* + up to 30% off

Start saving

*On orders of \$99 or more. Use Super Saver shipping. Some restrictions apply.

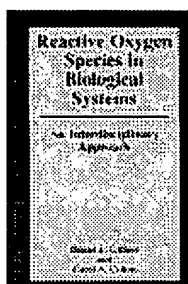
SEARCH

Books

GO

Reactive Oxygen Species in Biological Systems : An Interdisciplinary Approach

by Gilbert Daniel L. (Editor), Carol A. Colton (Editor), Daniel L. Gilbert



List Price: \$165.00
Our Price: \$165.00

Availability: Usually ships within 24 hours
Only 1 left in stock--order soon (more on the way).

Buy now, pay later on orders over \$150. Learn how.

See larger photo

This item ships **FREE** with Super Saver Shipping. See details.

BUY OR SELL THIS ITEM

Get it for less!

Order it used

I have one to sell!

Sell yours here

Hardcover (January 1999)
Plenum Pub Corp; ISBN: 0306457563

Amazon.com Sales Rank: 539,777

Rate this item to get personal recommendations.

Average Customer Review: ★★★★★ Based on 1 review. Write a review.

Editorial Reviews

From Book News, Inc.

Presents recent findings in the field of reactive oxygen species (ROS). After an introduction on the history and chemistry of ROS, sections cover general biochemistry and molecular biology, nitrogen reactive species, environmental and internal pro- and antioxidants, ROS in specific tissues, and pathological

READY TO BUY?

Add to Shopping Cart
(you can always remove it later)

(Use if you're redeeming a promotional certificate or coupon.)

OR **USE 1-CLICK**

Returning customer?
Sign in to turn on 1-Click ordering.



Shopping with us is safe.
Guaranteed.

WISH LISTS & REGISTRIES

Add to Wish List

- or -

Add to Wedding Registry

Don't have one?
We'll set one up for you.

Your Favorite Magazines!



Explore our new Magazine Subscriptions store.

PDA and cell phone
in one.



**Here comes
Treo!**
Pre-order yours
today!

states and aging. Specific topics include the importance of stratospheric ozone, antioxidants in nutrition, melatonin as an antioxidant, Alzheimer's and Lou Gehrig's disease, oxidation of proteins in aging, and the role of ROS in programmed cell death. *Book News, Inc.®, Portland, OR*

Book Description

Reactive oxygen species (ROS) which include free radicals, peroxides, singlet oxygen, ozone, and nitrogen monoxide and dioxide free radicals, is an area of intense research. This volume covers (1) the destruction of cellular function by ROS resulting in pathological states; (2) the protection by ROS of an organism against invading organisms that cause infections; and (3) the role of ROS in normal physiological processes. Designed for beginning graduate students, this book gives a concise... [read more](#)

► [See all editorial reviews...](#)

All Customer Reviews

Avg. Customer Rating: ★★★★★

[Write an online review](#) and share your thoughts with other customers!

1 of 1 people found the following review helpful:

★★★★★ **A detailed information for understanding oxidative stress,**
June 15, 2000

Reviewer: **Mary Duran** from Mexico City, Mexico

The book organizes the information in order to understand how the oxygen can rose into the reactive oxygen species (ROS), why are they important and how when uncontrolled they can be harmful. It goes over a variety of items about the action of these ROS and the mechanisms that have been developed in living organisms to keep them in balance. The authors are experts in the field and have made an extremely good effort to coordinate this multiauthorial book. This book is the most complete one in the subject and covers very recent data which makes it as a "must read" for graduate and postgraduate students and even researchers in the field.

Was this review helpful to you? ☐ YES ☐ NO

Look for similar books by subject:

Browse for books in:

[Subjects](#) > [Science](#) > [Biological Sciences](#) > [Biology](#) > [General](#)

Search for books by subject:

- ☐ [Active oxygen in the body](#)
- ☐ [Active oxygen](#)
- ☐ [Pathophysiology](#)